

**Luminescent screen and low-pressure mercury vapour discharge lamp provided with such a screen.**

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**Cited documents:**

 EP0052398

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A luminescent screen provided with a zirconium- and/or terbium-activated silicate having an apatite crystal structure according to the formula  $\text{Ln}_{10-x-p-q}\text{MxII}(\text{BpZr})_6(\text{SiO}_4)_6\text{yOx}+\text{y-qN}_2\text{-x-y+q}$ . In this formula, Ln is at least one of the elements Y, La and Gd. MII is Mg, Ca and/or Sr and MIII is Al and/or B. It further holds that:  $-0 \leq x \leq 1.9$   $0 \leq p \leq 3$   $-0 \leq y \leq 1.9$   $0 \leq q \leq x + y - x + y \leq 1.9$   $0.1 \leq p + q$ .

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